RX-5502
AM/FM 4CHANNEL STEREO RECEIVER

Sherwood

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AM/FM 4CHANNEL STEREO RECEIVER

CE

Introduction

READ THIS BEFORE OPERATING YOUR UNIT

⚡ **CAUTION** RISK OF ELECTRIC SHOCK DO NOT OPEN ⚠	⚡	This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.
CAUTION : TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.	⚠	This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

WARNING : TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

Caution regarding installation
Note : For heat dispersal, do not install this unit in a confined space such as a bookcase or similar enclosure.
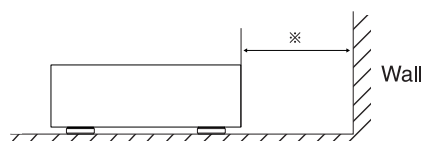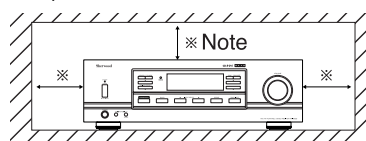
Do not block ventilation openings or stack other equipment on the top.

FOR YOUR SAFETY

EUROPE AUSTRALIA	**220 V - 240 V**	To ensure safe operation, the three-pin plug supplied must be inserted only into a standard three-pin power point which is effectively earthed through the normal household wiring. Extension cords used with the equipment must be three-core and be correctly wired to provide connection to earth. Improper extension cords are a major cause of fatalities. The fact that the equipment operates satisfactorily does not imply that the power point is earthed and that the installation is completely safe. For your safety, if in any doubt about the effective earthing of the power point, consult a qualified electrician. PAN-EUROPEAN UNIFIED VOLTAGE All units are suitable for use on supplies 220-240 V AC.

CAUTION

- Leave a space around the unit for sufficient ventilation.
- Avoid installation in extremely hot or cold locations, or in an area that is exposed to direct sunlight or heating equipment.
- Keep the unit free from moisture, water, and dust.
- Do not let foreign objects in the unit.
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the unit.
- Please be care the environmental aspects of battery disposal.
- The unit shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the unit.
- Do not let insecticides, benzene, and thinner come in contact with the set.
- Never disassemble or modify the unit in any way.
- ■ Notes on the AC power cord and the wall outlet.
- The unit is not disconnected from the AC power source(mains) as long as it is connected to the wall outlet, even if the unit has been turned off.
- When disconnecting the power cord from the wall outlet, always pull the plug, not the power cord.
- Disconnect the plug from the wall outlet when not using the unit for long periods of time.
- The wall outlet shall be installed near the unit and shall be easily accessible.

Note on recycling
This product's packaging materials are recyclable and can be reused. Please dispose of any materials in accordance with the local recycling regulations.
When discarding the unit, comply with local rules or regulations.
Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning chemical waste.
This product and the accessories packed together constitute the applicable product according to the WEEE directive except batteries.

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CONTENTS

System Connections

• Do not plug the AC input cord into the wall AC outlet until all connections are completed.
• Be sure to connect the white RCA pin cords to the L (left) and the red RCA pin cords to the R (right) jacks when making audio connections.
• Make connections firmly and correctly. If not, it can cause loss of sound, noise or damage to the receiver.
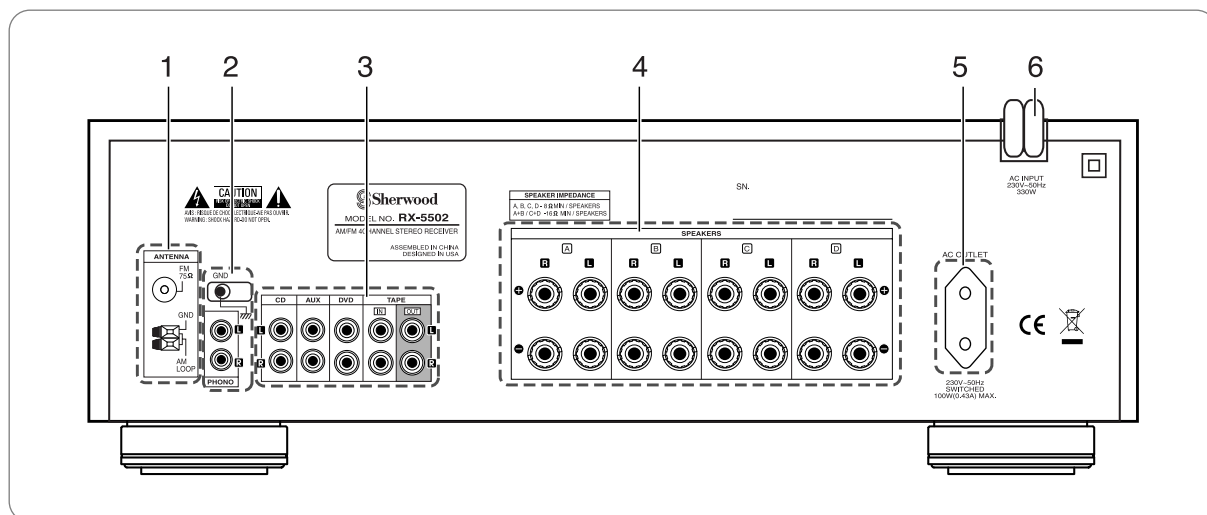
1. CONNECTING ANTENNAs
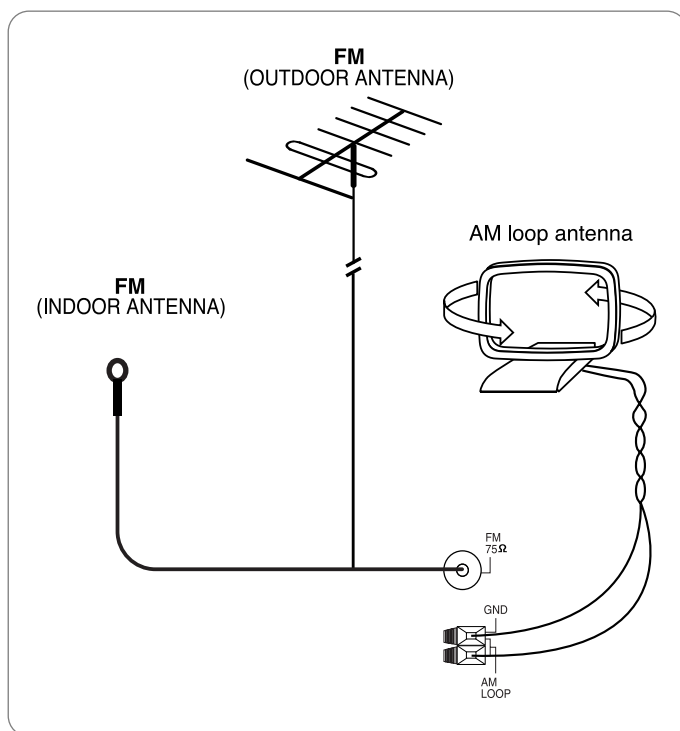
• Change the position of the FM indoor antenna until you get the best reception of your favorite FM stations.
• A 75Ω outdoor FM antenna may be used to further improve the reception. Disconnect the indoor antenna before replacing it with the outdoor one.
• Place the AM loop antenna as far as possible from the receiver, TV set, speaker cords and the AC input cord and set it to a direction for the best reception.
• If the reception is poor with the AM loop antenna, an AM outdoor antenna can be used in place of the AM loop antenna.

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2. CONNECTING PHONO

GND

Turntable with MM type cartridge

L

R

PHONO
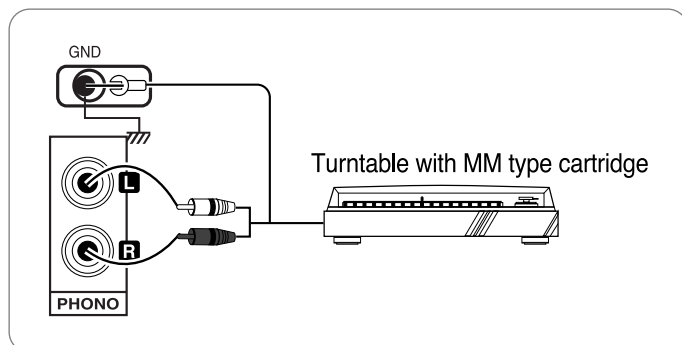
■Note
•Do not connect the turntable with MC type cartridge directly. If so, use a separate head amplifier or step-up transformer.

3. CONNECTING AUDIO COMPONENTS

• The AUX jacks may also be connected to an additional component.
• The DVD jacks may be connected to AUDIO OUT jacks of video components such as DVD player, TV, etc.
• The TAPE IN/OUT jacks can be connected to audio recording equipment such as a tape deck, an MD recorder, etc.

CD Player

TAPE   Tape deck, MD recorder, etc.

AUDIO OUT

PLAY(LINE) OUT   REC(LINE) IN

CD   AUX   DVD   TAPE
IN   OUT

L   L

R   R

AUDIO OUT   AUDIO OUT

AUX MD player, etc   DVD DVD player, TV, etc.

4. CONNECTING SPEAKERS

Speaker A (Main room)   Speaker C (Main room/ROOM2)
Right   Left   Right   Left

SPEAKERS
A   B   C   D
R   L   R   L   R   L   R   L

Right   Left   Right   Left
Speaker B (Main room)   Speaker D (Main room/ROOM2)
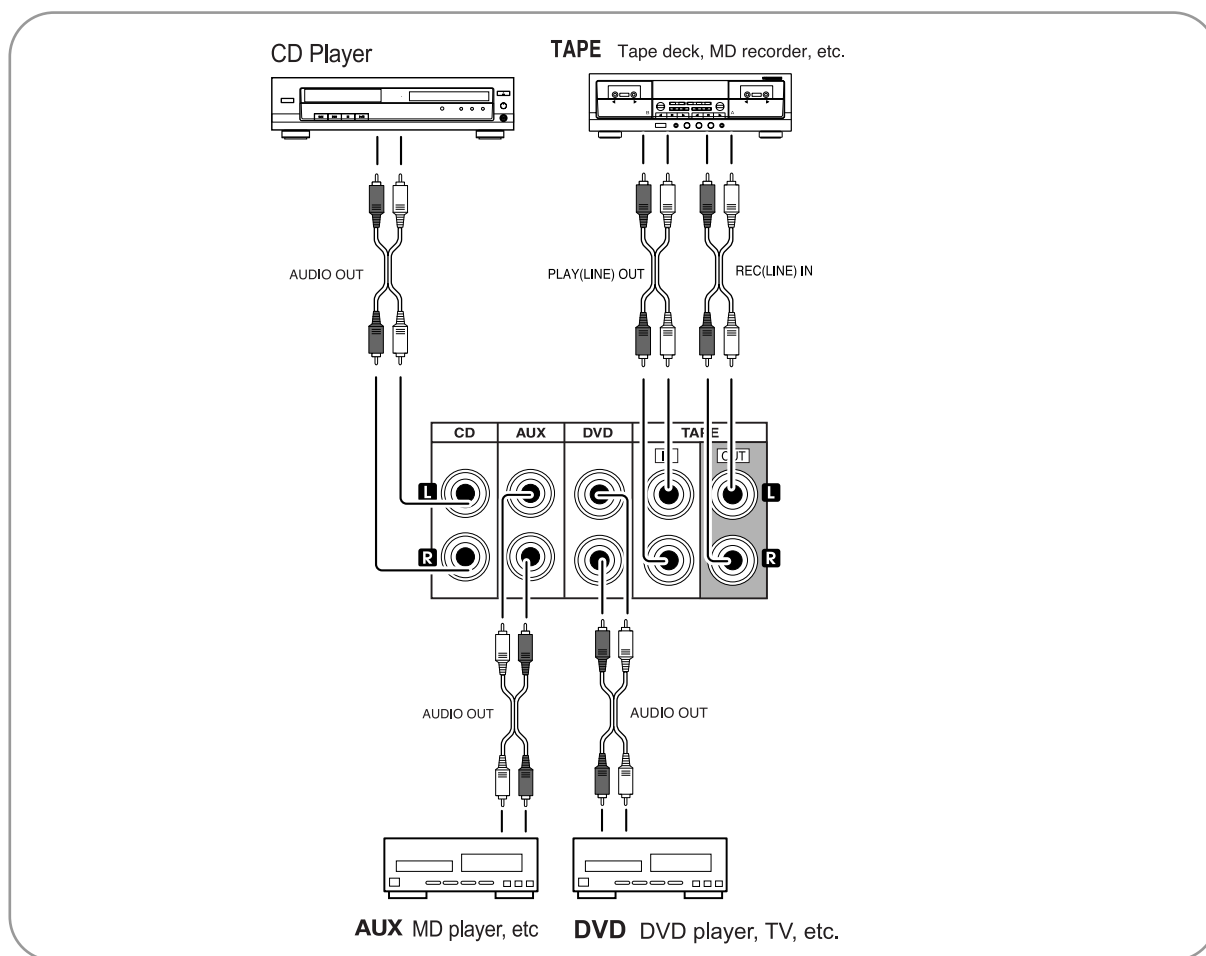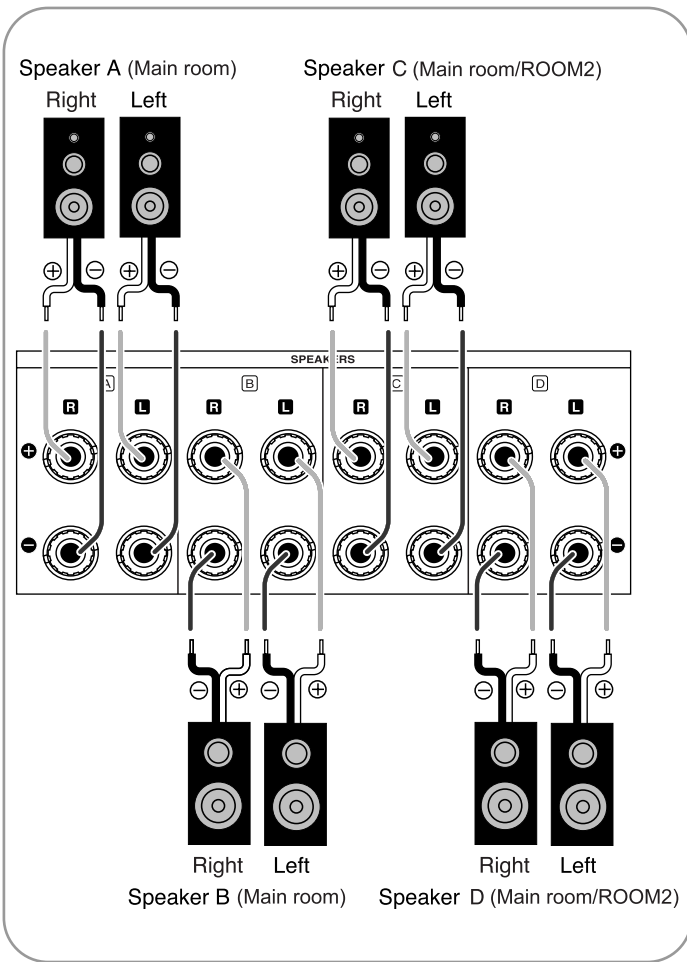
• You can connect up to four pairs of speakers to this receiver and select the various combinations of speakers according to your tastes.
• The speakers C and D can be installed in the main room as the speakers A and B can or in the another room (ROOM2) for ROOM2 playback. (For details, refer to "ROOM2 PLAYBACK" on page 21.)
• Be sure to connect speakers firmly and correctly according to the channel (left and right) and the polarity (+ and -).
• If the connections are faulty, no sound will be heard from the speakers, and if the polarity of the speaker connection is incorrect, the sound will be unnatural and lack bass.

■ Notes :
• For safe amplifier operation, use the speakers with impedance of over 8Ω when you connect a pair terminals of SPEAKER A and B terminals or/and a pair terminals of SPEAKER C and D terminals and use the speakers with impedance of over 16Ω when you connect both SPEAKER A and B terminals or/and both SPEAKER C and D terminals.
• Do not let the bare speaker wires touch each other or any metal part of this receiver. This could damage this receiver and/or the speakers.

5. SWITCHED AC OUTLET
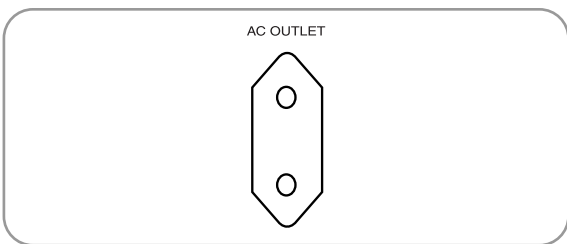
AC OUTLET

• This outlet is switched on (power-on mode) and off (standby mode) according to power control as follows (Maximum total capacity is 100 W (0.43A)).

┌ Standby mode - Switched AC outlet off ┐
└ Power-on mode - Switched AC outlet on ┘

6. AC INPUT CORD

• Plug the cord into an wall AC outlet.

Front Panel & Remote Controls

■FRONT PANEL
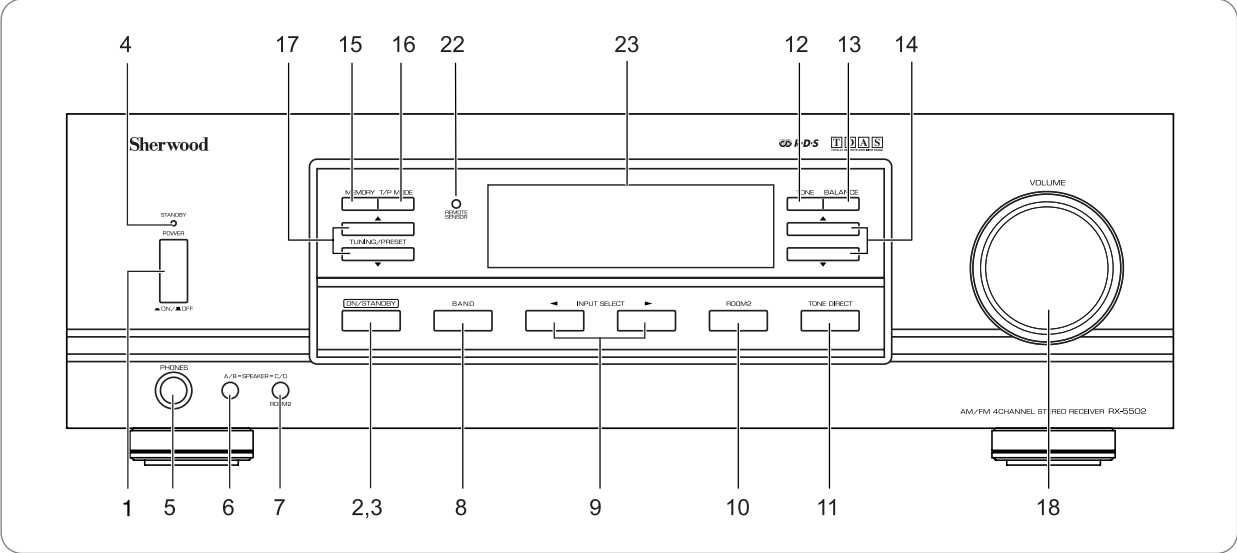
■REMOTE CONTROLS

■FLUORESCENT DISPLAY

TA INDICATOR   PTY INDICATOR
TP INDICATOR   STEREO INDICATOR
RDS INDICATOR   TUNED INDICATOR   MEMORY INDICATOR
                            SLEEP INDICATOR
                   ROOM2 INDICATOR

RDS   TP TA PTY ST TUNED R2   PRESET
                                          MEM
                                    kHz
                                    MHz
                                          DIRECT

PRESET NUMBER, SLEEP TIME DISPLAY
TONE DIRECT INDICATOR
INPUT, FREQUENCY, VOLUME LEVEL, OPERATING INFORMATION, etc.
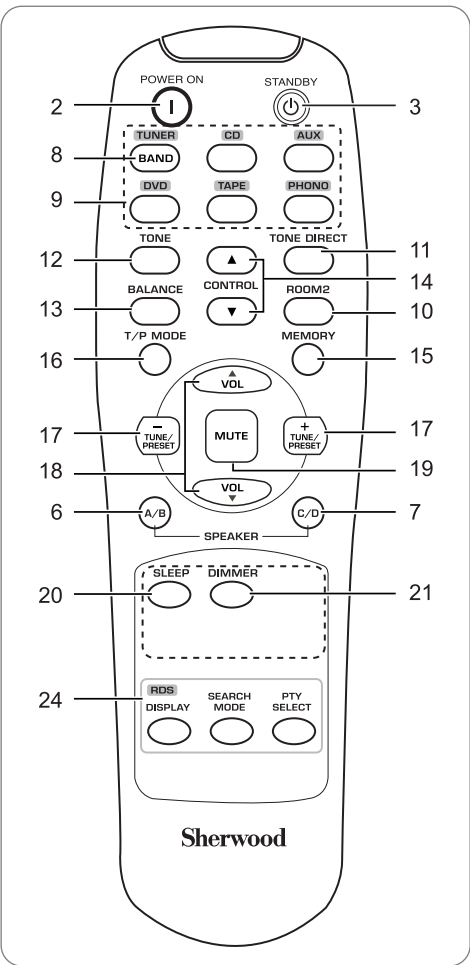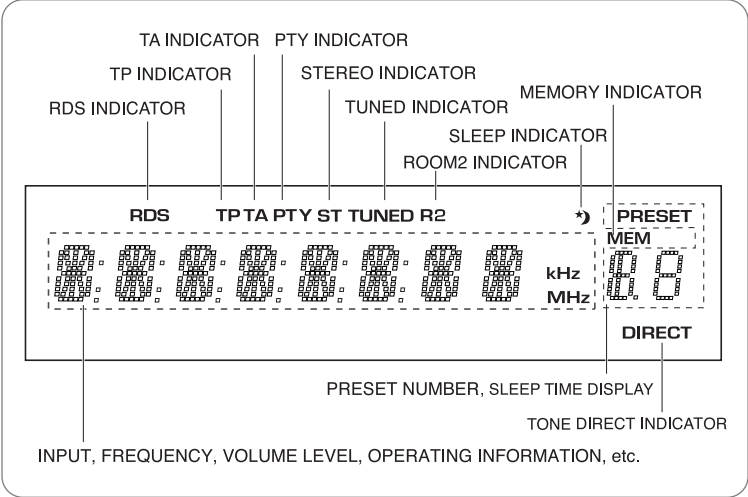
1. POWER SWITCH
   Push this switch to enter the standby mode.
   To switch the power off, push again this switch.

2. POWER ON BUTTON
   In the standby mode, when this button is pressed,
   the unit is turned on to enter the operating mode.

3. STANDBY BUTTON
   In the operating mode, when this button is pressed,
   the unit is turned off to enter the stnadby mode.

4. STANDBY INDICATOR

5. HEADPHONE JACK
   Stereo headphones with a standard 1/4 inch plug
   can be plugged into this jack for private listening.

6. SPEAKER A/B SELECTOR BUTTON
   Each time this button is pressed, the speakers are
   switched on or off as follows :

   → A/B ~ → - / - ~ → A/ - ~ → - /B ~
   or (MAIN A/B) or (MAIN -/-) or (MAIN A/-) or (MAIN -/B)

   ( ) : When the ROOM2 mode is set to on.

7. SPEAKER C/D SELECTOR BUTTON
   Each time this button is pressed, the speakers are
   switched on or off as follows :

   → ~ C/D → ~ - / - → ~ C/ - → ~ - /D
   or (R2 C/D) or (R2 -/-) or (R2 C/-) or (R2 -/D)

   ( ) : When the ROOM2 mode is set to on.

8. BAND (TUNER) BUTTON
   Each time the BAND (TUNER) button is pressed, the
   band changes as follows:

   → FM ST → FM MONO → AM

9. INPUT SELECTOR BUTTONS
   Press the button to select the desired input source.

10. ROOM2 BUTTON
   Press this button to enter the ROOM2 mode.

11. TONE DIRECT BUTTON
   Press this button to listen to a program source
   without the tone effect.

12. TONE BUTTON
   When adjusting the tone (bass and treble), press
   this button to select the desired tone mode.
   • Each time this button is pressed, the tone mode is
     changed to bass or treble.

13. BALANCE BUTTON
   When adjusting the sound volume balance, press
   this button to enter the balance mode.

14. BALANCE, TREBLE/BASS UP/DOWN (▲/▼)
   BUTTONS
   At the balance mode, adjust the sound volume
   balance between left and right speakers with these
   buttons.
   At the desired tone mode, adjust the tone as
   desired with these buttons.

15. MEMORY BUTTON
   Press this button to store preset stations.

16. T/P (TUNING/PRESET) MODE BUTTON
   Press this button to select the tuning mode or the
   preset mode.

17. TUNING/PRESET UP/DOWN (▲,+/▼,-) BUTTONS
   Press these buttons to tune in the desired stations.

18. VOLUME CONTROL KNOB, UP/DOWN (▲/▼)
   BUTTONS
   Adjust the volume to a comfortable listening level
   with this knob or these buttons.

19. MUTE BUTTON
   Press this button to temporarily mute the sound.
   Press it again to resume the previous sound level.

20. SLEEP BUTTON
   Press this button to activate the sleep timer for a
   specified period of time.
   • Each time this button is pressed, the sleep time
     changes as follows:

   → 10 → 20 → 30 → • • • → 90 → OFF
                    Unit : minutes

21. DIMMER BUTTON
   Press this button to select the brightness of the
   fluorescent display as desired.
   • Each time this button is pressed, the brightness of
     the fluorescent display changes as follows:
     → ON → dimmer → OFF

22. REMOTE SENSOR
   This receives the signals from the remote control
   unit.

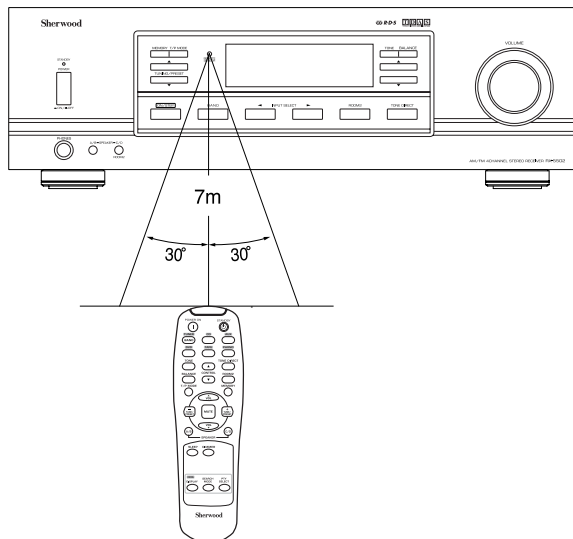**23. FLUORESCENT DISPLAY**
   For details, see the previous page.

24. RDS BUTTONS (Regional option for Europe, etc.)
   Use these buttons when listening to RDS
   broadcast.
   For more information, refer to pages 17~19.

REMOTE CONTROL OPERATION RANGE
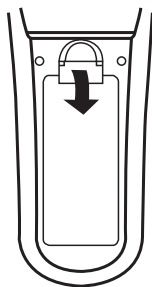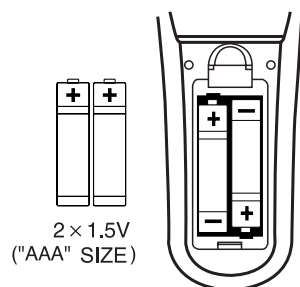
7m

30° 30°

• Use the remote control unit within a range of about 7 meters (23 feet) and angles of up to 30 degrees aiming at the remote sensor.

LOADING BATTERIES

1. Remove the cover.

2. Load two batteries matching the polarity.

2 × 1.5V
("AAA" SIZE)

• Remove the batteries when they are not used for a long time.
• Do not use the rechargeable batteries(Ni-Cd type).
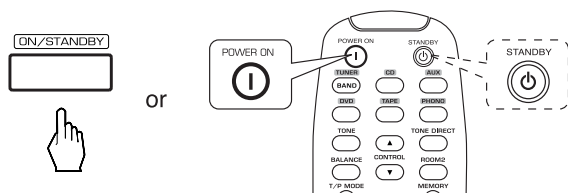
9

Operations

LISTENING TO A PROGRAM SOURCE

Before operation
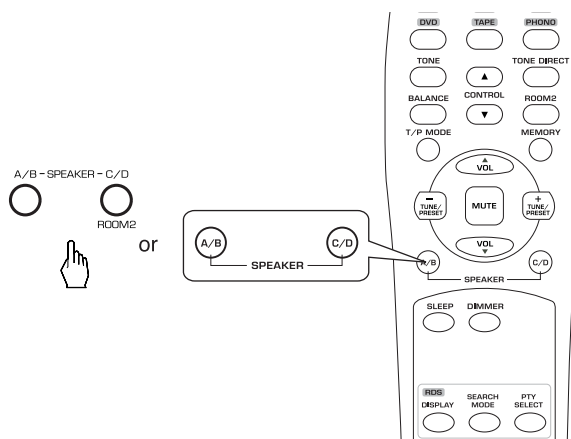
· Push the POWER switch.

STANDBY
POWER
ON/OFF

• This unit enters the standby mode and the STANDBY indicator lights up.
This means that the receiver is not disconnected from the AC mains and a small amount of current is retained to support the operation readiness.
• To switch the power off, push the POWER switch again. Then the power is cut off and the STANDBY indicator turns off.

1. In the standby mode, turn the power on.

ON/STANDBY

or

POWER ON STANDBY

STANDBY

POWER ON TUNER CD AUX
BAND
DVD TAPE PHONO
TONE TONE DIRECT
BALANCE CONTROL ROOM2
T/P MODE MEMORY

• Each time the ON/STANDBY button on the front panel, the receiver is turned on to enter the operating mode or off to enter the standby mode.
• On the remote control, press the POWER ON button to enter the operating mode or press the STANDBY button to enter the standby mode.

2. Switch the desired speakers on.

A/B – SPEAKER – C/D

ROOM2

or

DVD TAPE PHONO
TONE TONE DIRECT
BALANCE CONTROL ROOM2
T/P MODE MEMORY
VOL
TUNE/PRESET MUTE TUNE/PRESET
VOL
A/B SPEAKER C/D
SLEEP DIMMER
RDS DISPLAY SEARCH MODE PTY SELECT

• You can select the various combinations of speakers depending on where the speakers C or/ and D are installed.
• Each time the SPEAKER A/B SELECTOR button is pressed, the speakers are switched on or off as follows :

→ A/B ~ → - / - ~ → A/ - ~ → - /B ~ ─┐
or (MAIN A/B) or (MAIN -/-) or (MAIN A/-) or (MAIN -/B)

( ) : When the ROOM2 mode is set to on.

• Each time the SPEAKER C/D SELECTOR button is pressed, the speakers are switched on or off as follows :

→ ~ C/D → ~ - / - → ~ C/ - → ~ - /D ─┐
or (R2 C/D) or (R2 -/-) or (R2 C/-) or (R2 -/D)

( ) : When the ROOM2 mode is set to on.

• When using the headphones for private listening, switch off all the speakers installed in the main room.
■ Note :
• To use ROOM2 function, you should install speakers C or/and D in another room (ROOM2) and set the ROOM2 mode to on. (For details, refer to "CONNECTING SPEAKERS" on page 6 and "ROOM2 PLAYBACK" on page 21.)

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3. Select the desired input source.

or
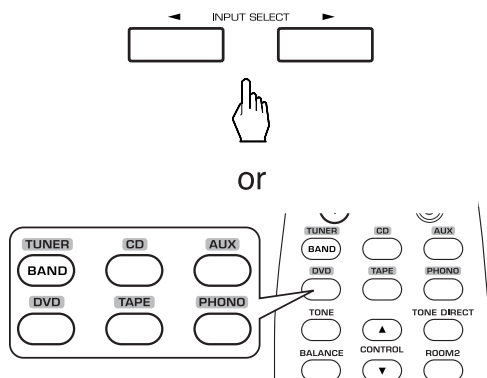
• Each time the "INPUT SELECT ◀ / ▶" buttons are pressed, the input source is changed as follows :

┌→TUNER ↔ CD ↔ AUX ↔ DVD ↔ TAPE ↔ PHONO ←┐
(Frequency display)

4. Operate the selected component for playback.

5. Adjust the volume to a comfortable listening level.

VOLUME

DOWN   UP

or
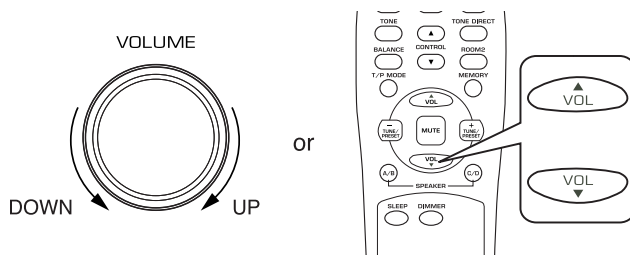
6. To mute the sound.

MUTE

• "MUTE" flickers.
• To resume the previous sound level, press this button again.
• When adjusting the volume, the mutting effect is turned off.

7. To listen with the headphones.

PHONES

• Be sure to switch off all the speakers installed in the main room.

Adjusting the tone (bass and treble)

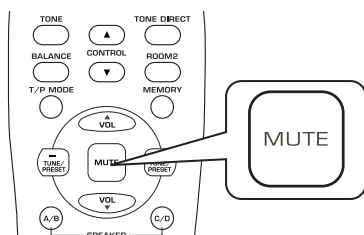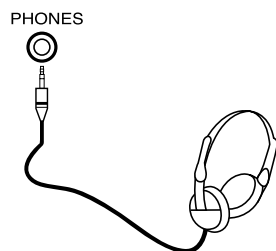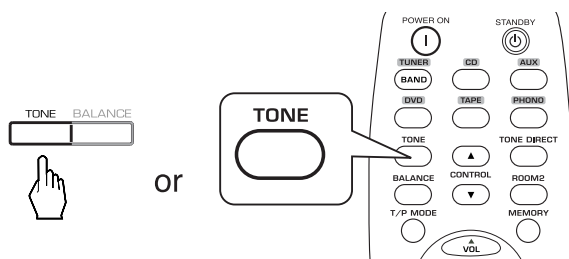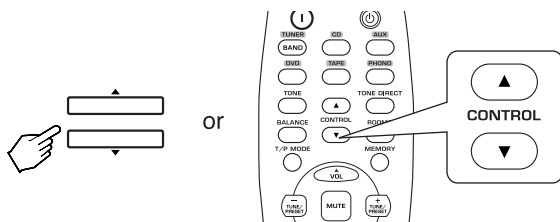## 8. Enter the tone mode.

TONE   BALANCE

or

TONE

POWER ON   STANDBY
TUNER
BAND   CD   AUX
DVD   TAPE   PHONO
TONE   TONE DIRECT
BALANCE   CONTROL   ROOM2
T/P MODE   MEMORY
VOL

• Each time this button is pressed, the corresponding tone mode is selected and shown for 5 seconds as follows:

$$\rightarrow BASS \rightarrow TRBL \rightarrow$$

■Note:
• When the tone direct function is activated, the tone mode cannot be entered and "TON DIR" flickers for 3 seconds.

9. At the desired tone mode, adjust the tone as desired.

or

TUNER
BAND   CD   AUX
DVD   TAPE   PHONO
TONE   TONE DIRECT
BALANCE   CONTROL   ROOM2
T/P MODE   MEMORY
VOL
TUNE/
PRESET   MUTE   TUNE/
PRESET

CONTROL
▲
▼

• If the tone display disappears, start from the step 8 again.
• The tone (BASS and TRBL) can be adjusted within the range of -10 ~ +10 dB.
■Notes:
• Extreme settings at high volume may damage your speakers.
• In general, the bass and treble levels are adjusted to 0.

10. To listen to a program source without the tone effect.

TONE DIRECT

or

TUNER
BAND   CD   AUX
DVD   TAPE   PHONO
TONE   TONE DIRECT
BALANCE   CONTROL   ROOM2
T/P MODE   MEMORY
VOL
TUNE/
PRESET   MUTE   TUNE/
PRESET
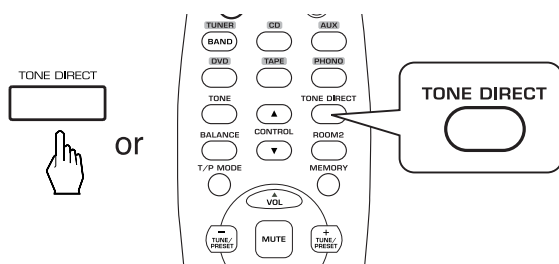
TONE DIRECT

• "TON DIR" is displayed, "DIRECT" lights up and the sound that bypasses the tone circuitry will be heard.
• To cancel the tone direct function, press this button again to display "TON CTRL", and then "DIRECT" turns off.

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Adjusting the sound volume balance

11. Enter the balance mode.

or
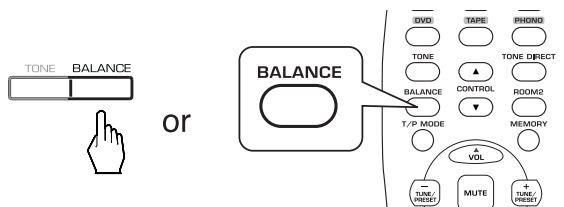
• "BAL" and the balance level are displayed for 5 seconds.

12. Adjust the sound volume balance between the left and right speakers.

or

• If the balance display disappears, start from the step 11 again.
• The balance level can be adjusted within the range of L10 ~ R 10.
■ Note:
• In general, the balance level is adjusted to 0.

LISTENING TO RADIO BROADCASTS

Auto tuning

1. Select the tuner and then the desired band.

BAND　　　FREQUENCY

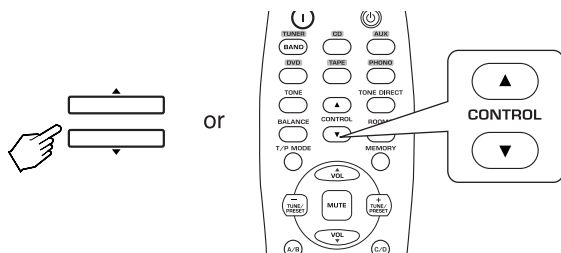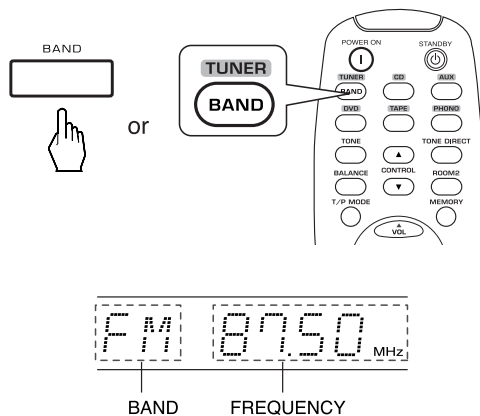• Each time this button is pressed, the tuner is automatically selected and the band is changed as follows :

→ FM ST → FM MONO → AM ⌐

• When the FM stereo broadcast is tuned, the FM mode changes as follows:

→ Stereo mode : "ST" lights up.
└ Mono mode : "ST" turns off. ←

• When FM stereo broadcasts are poor because of weak broadcast signals, select the FM mono mode ("ST" turns off) to reduce the noise, then FM broadcasts are reproduced in monaural sound.

2. Select the tuning mode.
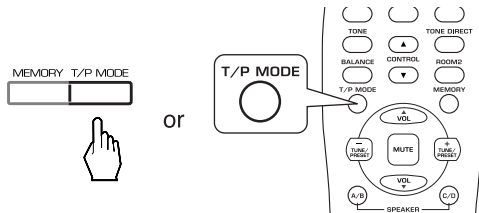
• Each time this button is pressed, the mode changes as follows:

→ Tuning mode : "PRESET" turns off.
└ Preset mode : "PRESET" lights up. ←

3. Press the TUNING/PRESET UP (▲/＋) or DOWN (▼/−) button for more than 0.5 second.
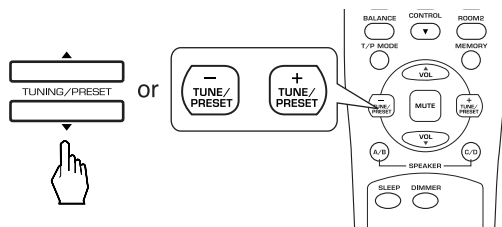
• The tuner will now search until a station of sufficient strength has been found. The display shows the tuned frequency and "TUNED".
• If the station found is not the desired one, simply repeat this operation.
• Weak stations are skipped during auto tuning.

Manual tuning

or
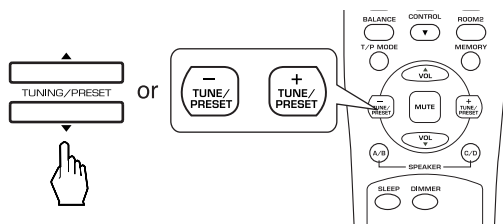
- Manual tuning is useful when you already know the frequency of the desired station.
- Perform the steps 1 and 2 in "Auto tuning" procedure on page 14 and press the TUNING/PRESET UP (▲ / +) or DOWN (▼/−) button repeatedly until the right frequency has been reached.

Auto presetting

or
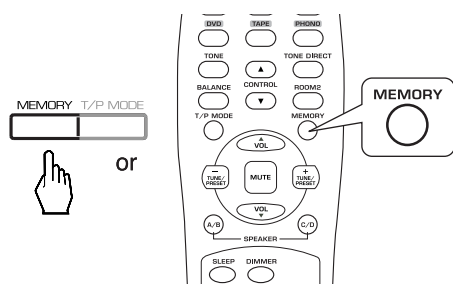
- Auto presetting function automatically searches for FM stations only and store them in the memory.
- While listening to radio broadcasts, press and hold down the MEMORY button for more than 2 seconds.
- Then "AUTO MEM" is displayed and this receiver starts auto presetting.
- Up to 30 FM stations can be stored.

■ **Notes:**
- FM stations of weak strength cannot be memorized.
- To memorize AM stations or weak stations, preform "Manual presetting" procedure with using "Manual tuning" operation.

Manual presetting

- You can store up to 30 preferred stations in the memory.

1. Tune in the desired station with auto or manual tuning.

2. Press the MEMORY button.

or
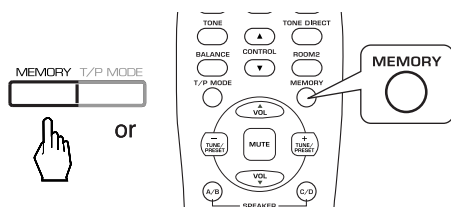
- "MEM" is flickering for 5 seconds.

3.
Press the TUNING/PRESET UP (▲/ +) or DOWN (▼/-) button to select the desired preset number and press the MEMORY button.
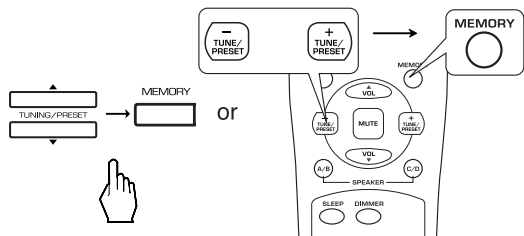
• The station has now been stored in the memory.
• A stored frequency is erased from the memory by storing another frequency in its place.
• If "MEM" turns off, start again from the above step 2.

4.
Repeat the above steps 1 to 3 to memorize other stations.

■ MEMORY BACKUP FUNCTION

The following items, set before the receiver is turned off, are memorized.
• INPUT SELECTOR settings
• Preset stations,etc.
• The ROOM2 settings.

Tuning to preset stations

1.
After selecting the tuner as an input source, select the preset mode.
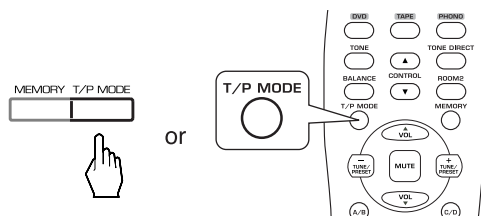
• Then "PRESET" lights up.

2.
Select the desired preset number.

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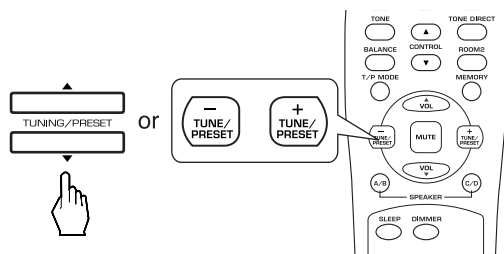
RDS Tuner (Regional Option for some countries in Europe, etc.)

LISTENING TO RDS BROADCASTS (FM ONLY)

RDS (Radio Data System) is a method for sending information signals together with the transmitter signals. Your tuner is capable of translating these signals and putting the information on the display.
These codes contain the following informations. Program Service name(PS), A list of Program Types(PTY), Traffic Announcement(TA), Clock Time(CT), Radio Text(RT).

■Note :
• In the other countries, RDS tuner function can not be available.

RDS Search

• Use this function to automatically search and receive the stations offering RDS services.

1. In the FM mode, select the RDS search mode.
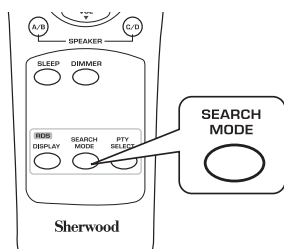
• Each time this button is pressed, the search mode changes as follows :

$\rightarrow$ RDS SRCH $\rightarrow$ TP SRCH $\rightarrow$ PTY SRCH $\rightarrow$ off

2. When "RDS SRCH" is displayed, press the TUNING/PRESET UP(▲/ +) or DOWN (▼/−) button.
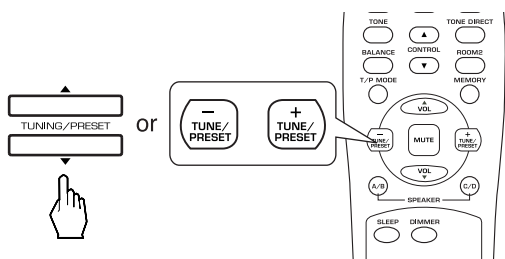
• "RDS" flickers and the tuner automatically searches stations offering RDS services and the station name is displayed.
• If no other RDS station is found, "NO RDS" is displayed.
• When "RDS SRCH" is not displayed, repeat again from the above step 1.

TP Search

• Use this function to automatically search and receive the stations broadcasting the traffic program.

1. In the FM mode, press the SEARCH MODE button twice.
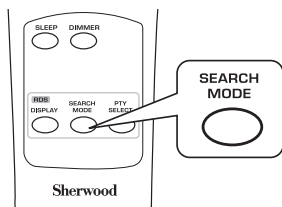
• "TP SRCH" is displayed.

2. When "TP SRCH" is displayed, press the TUNING/PRESET UP(▲/+) or DOWN (▼/−) button to search the station.
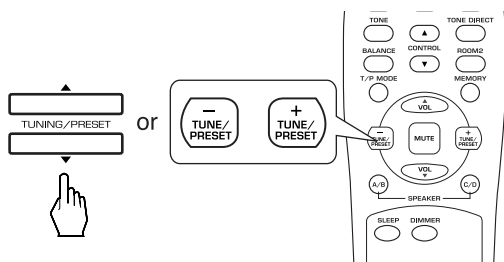
• "TP" flickers and the tuner automatically searches for stations broadcasting the traffic program.
• "NO TRAFF"is displayed if the signal is too weak or there are no other stations broadcasting the traffic program.
• When "TP SRCH" is not displayed, repeat again from the above step 1.

PTY Search

• Use this function to automatically search and receive the stations broadcasting the desired program type.

1. In the FM mode, press the SEARCH MODE button three times.
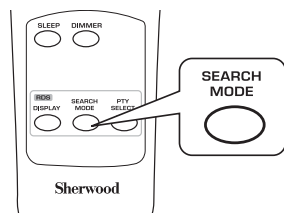
• "PTY SRCH" is displayed.

2. When "PTY SRCH" is displayed, press the PTY SELECT button to select the desired program type.
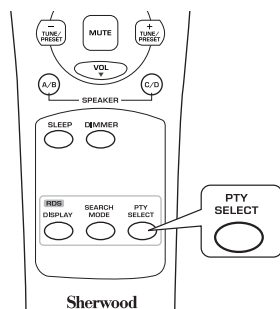
• Each time this button is pressed, one of 29 different types of programs is selected. (NEWS, AFFAIRS, INFO, SPORT, EDUCATE, DRAMA, CULTURE, SCIENCE, VARIED, POP M, ROCK M, EASY M, LIGHT M, CLASSICS, OTHER M, WEATHER, FINANCE, CHILDREN, SOCIAL, RELIGION, PHONE IN, TRAVEL, LEISURE, JAZZ, COUNTRY, NATION M, OLDIES, FOLK M, DOCUMENT)

• When "PTY SRCH" is not displayed, repeat again from the above step 1.

3. When the selected program type is displayed, press the TUNING/PRESET UP(▲/＋) or DOWN (▼/－) button to search the station.
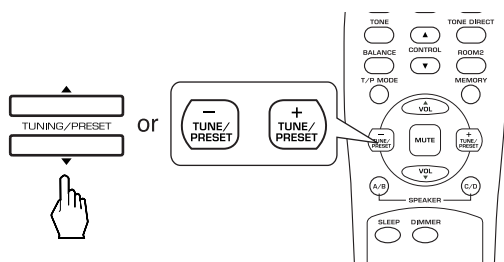
• "PTY" flickers and the tuner automatically searches stations offering PTY services.
• If no other station is found, "NO PROG" is displayed.

DISPLAY

In the FM mode,
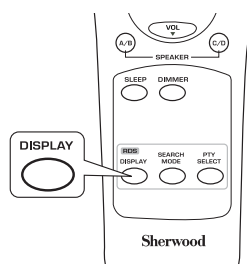
• Each time this button is pressed, the display mode changes as follows :

Frequency → Program Service name (PS) → Program Type (PTY) → Clock Time (CT) → Radio Text (RT)
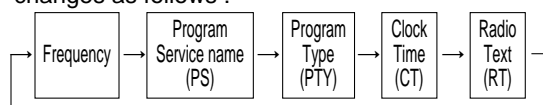
• If the signals are too weak or no RDS service is available, "NO NAME", "NO PTY", "NO TIME" or "NO TEXT" will be displayed.

RECORDING

• The volume, tone(bass, treble) and balance settings have no effect on the recording signals.
• When you select tuner, CD, DVD, AUX or PHONO as a recording source, recording can be made on the TAPE.
• The ROOM2 input source cannot be recorded onto the TAPE.

Recording with TAPE

1. Select the desired input as a recording source except for TAPE.

or
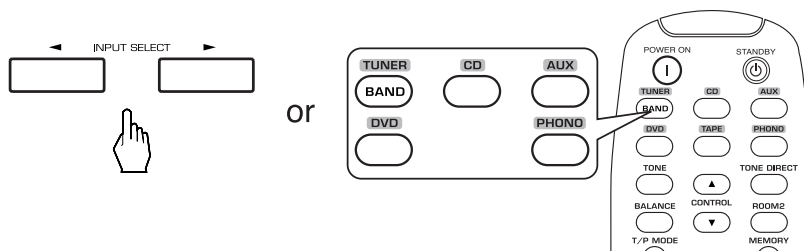
2. Start recording on the TAPE.

3. Start play on the desired input.

OTHER FUNCTIONS

Operating the sleep timer

• The sleep timer allows the system to continue to operate for a specified period of time before automatically shutting off.
• Each time this button is pressed, the sleep time changes as follows:

$$10 \rightarrow 20 \rightarrow 30 \rightarrow \cdot \cdot \cdot \rightarrow 90 \rightarrow OFF$$
Unit : minutes

• While operating the sleep timer, " ☽ " lights up.
• When the sleep time is selected, the fluorescent display is dimly lit.
• When the ROOM2 function is operating, it will not be turned off by the sleep timer.
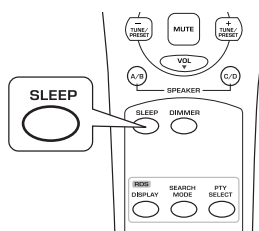
Adjusting the brightness of the fluorescent display

• Each time this button is pressed, the brightness of the fluorescent display changes as follows:

$$ON \rightarrow dimmer \rightarrow OFF$$

• In the display OFF mode, pressing any button will restore the display ON mode.
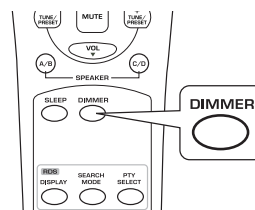
ROOM2 PLAYBACK

- This function allows enjoying one source in the main room and playing another in a different room at the same time.
- Even when this receiver enters the standby mode, in such a case that "R2" is dimly lit, meaning only the ROOM2 circuitry operates, the ROOM2 source can be played independently. Therefore, when you do not use the ROOM2 function, turn off the ROOM2 function to save electricity.
- To enjoy ROOM2 source, turn on the ROOM2 function and adjust the ROOM2 settings as below.

1. Enter the ROOM2 mode.
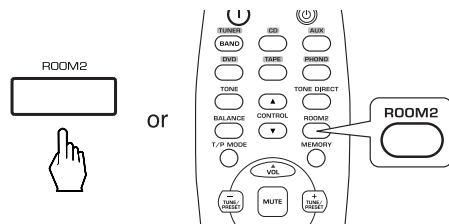
- "R2 > ~ " is displayed for several seconds.
- Each time this button is pressed, the mode is changed to the ROOM2 mode ("R2 > ~") or the main mode (main input display).
- When "R2 > ~" is not displayed, press this button again.

■ Note :
- Only while displaying the ROOM2 mode, you can set the ROOM2 mode.

2. Turn on the ROOM2 mode.
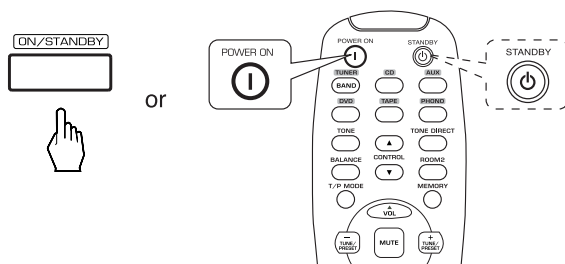
- Each time the "ON/STANDBY" button on the front panel is pressed, the ROOM2 mode changes as follows :

  R2 > OFF : ROOM2 off mode ("R2" turns off)

  R2 > input display : ROOM2 on mode
                            ("R2" lights up)

- On the remote control, press the POWER ON button to turn on the ROOM2 mode or press the STANDBY button to turn it off.

■ Note :
- Only while displaying the ROOM2 on mode, you can adjust the ROOM2 settings.

3. Select the desired ROOM2 speakers.
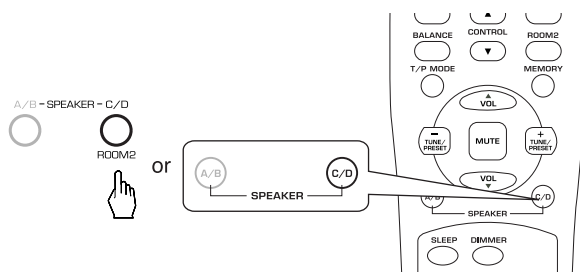
- Each time the SPEAKER C/D SELECTOR button is pressed, the speakers are switched on or off as follows:

  → R2 C/D → R2 - / - → R2 C/ - → R2 - /D ┐

■ Note :
- Only when the ROOM2 mode is set to on, the speakers C or/and D can be used as ROOM2 speakers.

4. Select the desired ROOM2 input.

INPUT SELECT

or

TUNER CD AUX
BAND
DVD TAPE PHONO

TUNER CD AUX
BAND
DVD TAPE PHONO
TONE TONE DIRECT
BALANCE CONTROL ROOM2
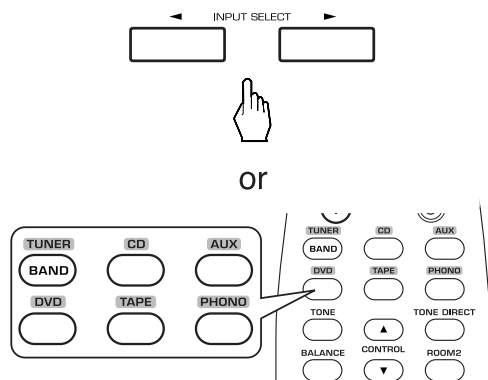
• Each time the "INPUT SELECT ◄ / ►" buttons are pressed, the ROOM2 input source is changed as follows :

→TUNER ↔ CD ↔ AUX ↔ DVD ↔ TAPE ↔ PHONO ←

5. Start play on the component related to the ROOM2 source.

6. Adjust the ROOM2 volume to a comfortable listening level.

VOLUME

DOWN UP

or

TONE TONE DIRECT
BALANCE CONTROL ROOM2
T/P MODE MEMORY
VOL
TUNE/PRESET MUTE TUNE/PRESET
VOL
A/B SPEAKER C/D
SLEEP DIMMER

▲ VOL
VOL ▼

7. To mute the sound.

TONE TONE DIRECT
BALANCE CONTROL ROOM2
T/P MODE MEMORY
VOL
TUNE/PRESET MUTE TUNE/PRESET
VOL
A/B C/D
SPEAKER
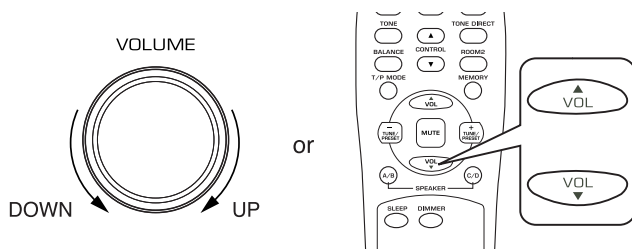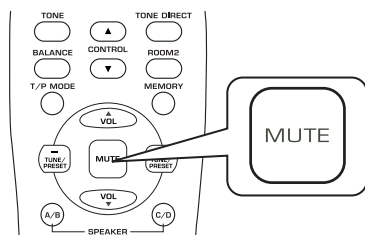
MUTE

• While the mute function for ROOM2 is operating, "R2" is flickering.
• To resume the previous sound level, press this button again.

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Troubleshooting Guide

If a fault occurs, run through the table below before taking your receiver for repair.
If the fault persists, attempt to solve it by switching the receiver off and on again. If this fails to resolve the situation, consult with your dealer. Under no circumstances should you repair the receiver yourself as this could invalidate the warranty.

PROBLEM	POSSIBLE CAUSE	REMEDY
No power	• The AC input cord is disconnected. • Poor connection at AC wall outlet or the outlet is inactive.	• Connect the cord securely. • Check the outlet using a lamp or another appliance.
No sound	• The speaker cords are disconnected. • The volume is adjusted too low. • The MUTE button on the remote control is pressed to ON. • Speakers are not switched on. • Incorrect selection of the input source. • Incorrect connections between the components.	• Check the speaker connections. • Adjust the volume. • Press the MUTE button to cancel the muting effect. • Switch on the desired speakers. • Select the desired input source correctly. • Make connections correctly.
Stations cannot be received	• No antenna is connected. • The desired station frequency is not tuned in. • The antenna is in wrong position.	• Connect an antenna. • Tune in the desired station frequency. • Move the antenna and retry tuning.
Preset stations cannot be received	• An incorrect station frequency has been memorized. • The memorized stations are cleared.	• Memorize the correct station frequency. • Memorize the stations again.
Poor FM reception	• No antenna is connected. • The antenna is not positioned for the best reception.	• Connect an antenna. • Change the position of the antenna.
Continuous hissing noise during FM reception, especially when a stereo broadcast is received.	• Weak signals.	• Change the position of the antenna. • Install an outdoor antenna.
Continuous or intermittent hissing noise during AM reception, especially at night.	• Noise is caused by motors, fluorescent lamps or lightning, etc.	• Keep the receiver away from noise sources. • Install an outdoor AM antenna.
No recording	• Incorrect selection between the components. • Incorrect operation of each component for playback and recording.	• Make connections correctly. • Operate each component correctly.
Remote control unit does not operate.	• Batteries are not loaded or exhausted. • The remote sensor is obstructed.	• Replace the batteries. • Remove the obstacle.

Specifications

■ AMPLIFIER SECTION

• Power output, 8Ω, THD 1.0 %, 20 Hz~20 kHz, only a pair of speakers driven .... 2 X 100 W
• Total harmonic distortion, 8Ω, @ -3dB, 20 Hz~20 kHz .... 0.05 %
• Intermodulation distortion
  60 Hz : 7 kHz= 4 : 1 SMPTE, 8Ω, 100 W .... 0.03 %
• Input sensitivity, 47 kΩ
  Phono(MM) .... 2.5 mV
  Line(CD,DVD,TAPE,AUX) .... 220 mV
• Signal to noise ratio, IHF "A" weighted
  Phono(MM) .... 75 dB
  Line(CD,DVD,TAPE,AUX) .... 98 dB
• Frequency response
  Phono(MM), RIAA, 20 Hz~20 kHz .... ±0.3 dB
  Line(CD,DVD,TAPE,AUX), 10 Hz~100 kHz .... ±3 dB
• Output level
  TAPE OUT, 2.2 kΩ .... 200 mV
• Bass/Treble control, 100 Hz/10 kHz .... ±10 dB

■ FM TUNER SECTION

• Tuning frequency range .... 87.5~108 MHz
• Usable sensitivity, THD 3%, S/N 26 dB .... 15 dBf
• 46 dB quieting sensitivity, mono/stereo .... 25.2/45.2 dBf
• Signal to noise ratio, 65 dBf, mono/stereo .... 68/65 dB
• Total harmonic distortion, 65 dBf, 1 kHz, mono/stereo 0.5/0.8%
• Frequency response, 20 Hz~14 kHz .... ±3 dB
• Stereo separation, 1 kHz .... 30 dB
• Capture ratio .... 4 dB
• IF rejection ratio .... 75 dB

■ AM TUNER SECTION

• Tuning frequency range .... 522~1611 kHz
• Usable sensitivity , S/N 20 dB .... 55 dBμ/m
• Signal to noise ratio .... 50 dB
• Selectivity .... 30 dB

■ GENERAL

• Power supply .... 230 V~ 50 Hz
• Power consumption .... 330 W
• Switched AC outlet .... Total 100 W (0.43A) max.
• Dimensions (W × H × D, including protruding parts) .... 440 × 141 × 368mm(17-3/8 × 5-9/16 × 14-1/2 inches)
• Weight (Net) .... 8.85 kg(19.5 lbs)

Note: Design and specifications are subject to change without notice for improvements.